Message

From: Zachary Hopkins [zrhopkin@ncsu.edu]

Sent: 6/3/2018 6:14:41 PM

To: Detlef R. U. Knappe [/o=ExchangeLabs/ou=Exchange Administrative Group

(FYDIBOHF23SPDLT)/cn=Recipients/cn=user17c3f77b]

CC: Strynar, Mark [/o=ExchangeLabs/ou=Exchange Administrative Group

(FYDIBOHF23SPDLT)/cn=Recipients/cn=5a9910d5b38e471497bd875fd329a20a-Strynar, Mark]; Nadine Kotlarz [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=userc79d3fb6];

Chuhui Zhang [/o=ExchangeLabs/ou=Exchange Administrative Group

(FYDIBOHF23SPDLT)/cn=Recipients/cn=user88898f79]; McCord, James [/o=ExchangeLabs/ou=Exchange

Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=McCord, James]

Subject: Re: Package Delivery

Attachments: PFESA BP4.sk2; NVHOS.sk2; PFESAByproduct4_SDS_050218.pdf; NVHOS_SDS_050218.pdf

Here are the structures fort the compounds. I have also attached the SDS for each.

On Sun, Jun 3, 2018 at 1:14 PM, Detlef Knappe < knappe@ncsu.edu > wrote:

Hi all,

Can one of you send me the structures and CAS #s (if available) for Nafion byproduct 4 and for NVHOS? Thank you,

Detlef

On Fri, May 25, 2018 at 10:15 AM, Strynar, Mark < Strynar.Mark@epa.gov > wrote:

Works for me.

Mark

From: Detlef Knappe [mailto:knappe@ncsu.edu]

Sent: Friday, May 25, 2018 8:30 AM

To: Strynar, Mark <<u>Strynar.Mark@epa.gov</u>>

Cc: Nadine Kotlarz < nkotlar@ncsu.edu >; Hopkins, Zachary < zrhopkin@ncsu.edu >; Chuhui Zhang

<<u>czhang24@ncsu.edu</u>>; McCord, James <<u>mccord.james@epa.gov</u>>

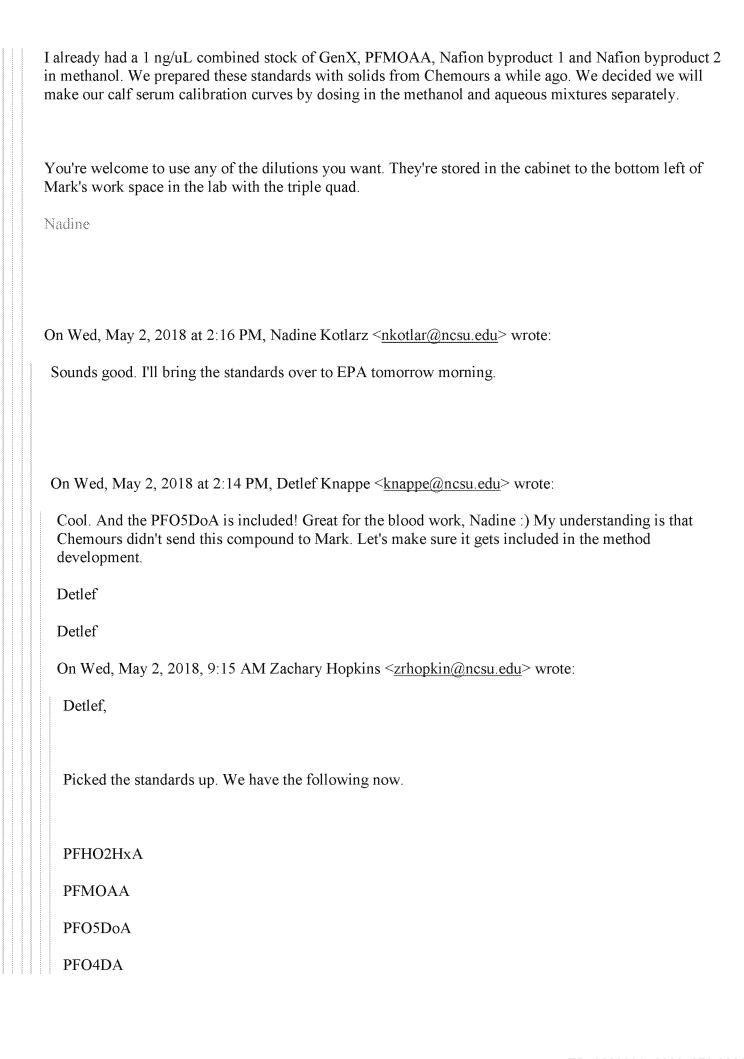
Subject: Re: Package Delivery

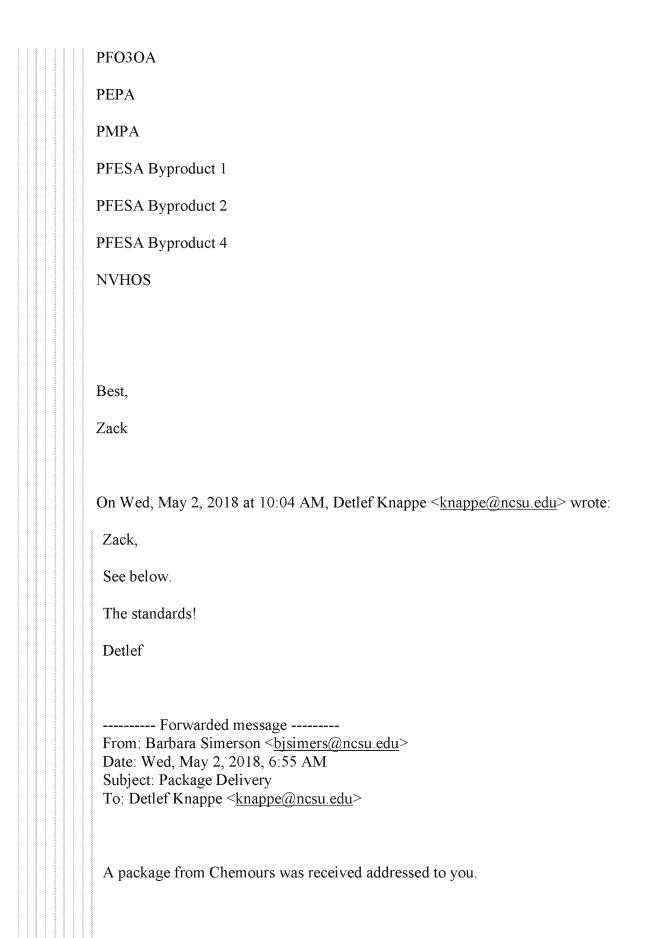
How about 8:30 at EPA?

Detlef

| | On Fri, May 25, 2018 at 7:49 AM, Strynar, Mark < Strynar.Mark@epa.gov > wrote: |
|---|---|
| | My Tuesday is good except after 2 PM. My Wednesday is booked full. |
| | |
| | Mark |
| | |
| | |
| | From: Detlef Knappe [mailto:knappe@ncsu.edu] Sent: Friday, May 25, 2018 7:37 AM |
| | To: Strynar, Mark < Strynar. Mark@epa.gov > |
| | Cc: Nadine Kotlarz <nkotlar@ncsu.edu>; Hopkins, Zachary <zrhopkin@ncsu.edu>; Chuhui Zhang <czhang24@ncsu.edu>; McCord, James <mccord.james@epa.gov></mccord.james@epa.gov></czhang24@ncsu.edu></zrhopkin@ncsu.edu></nkotlar@ncsu.edu> |
| | Subject: Re: Package Delivery |
| | |
| | Should we meet to discuss strategy for QQQ method development? Looks like Zack and Chuhui need similar methods. Chuhui would like to add F53B to the ether method. |
| | My Tuesday is reasonable. My Wednesday afternoon, too. |
| | Detlef |
| | |
| | On Fri, May 25, 2018, 7:29 AM Strynar, Mark < Strynar.Mark@epa.gov > wrote: |
| | Yes we do. These are known as PMPA and PEPA from Chemours. These are still both quite pronounced in the creek water that was the old effluent stream. |
| | |
| | Mark |
| | |
| | |
| | |
| | From Datlet Knappe [mailtouknappe@nesu.edu] |
| | From: Detlef Knappe [mailto:knappe@ncsu.edu] Sent: Thursday, May 24, 2018 7:25 PM |
| | To: Nadine Kotlarz <nkotlar@ncsu.edu> Cc: Zachary Hopkins <zrhopkin@ncsu.edu>; Chuhui Zhang <czhang24@ncsu.edu>; Strynar, Mark</czhang24@ncsu.edu></zrhopkin@ncsu.edu></nkotlar@ncsu.edu> |
| | < <u>Strynar.Mark@epa.gov</u> >; McCord, James < <u>mccord.james@epa.gov</u> > |
| 1 | Subject: Re: Package Delivery |

| Hi all, |
|--|
| Do we have these compounds? |
| |
| I know we have the linear methoxy versions, but I don't know whether Chemours sent the branched isomers. |
| Best, |
| Detlef |
| |
| |
| On Mon, May 7, 2018 at 5:18 PM, Nadine Kotlarz < nkotlar@ncsu.edu > wrote: |
| Zack, |
| The standards we recently received from Chemours were at 1000 ng/uL in water. I prepared 10 ng/uL aqueous stocks for each compound. Then I prepared a 1 ng/uL combined stock with: |
| |
| 1. PFO2HxA |
| 2. NVHOS |
| 3. PFO5DoA |
| 4. PFO4DA |
| 5. PFO3OA |
| 6. PEPA |
| 7. PMPA |
| 8. Nafion byproduct 4 |
| in water. |
| |
| |





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Barbara Simerson

Bookkeeper

North Carolina State University

Civil, Construction, and Environmental Engineering 2501 Stinson Drive/ 208 Mann Hall

Campus Box 7908 Raleigh, NC 27695 Phone: 919-515-7628 Fax: 919-515-7908

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Best,

Zack Hopkins

PhD student

Graduate Research Assistant

Mann Hall 319A Office

Civil, Construction, and Environmental Engineering

North Carolina State University

Raleigh, NC 27695

zrhopkin@ncsu.edu

301-518-7697

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Best,
Zack Hopkins
PhD student
Graduate Research Assistant
Mann Hall 319A Office
Civil, Construction, and Environmental Engineering
North Carolina State University
Raleigh, NC 27695
<u>zrhopkin@ncsu.edu</u>
301-518-7697